

YOR920030351US1  
Amendment dated 11/07/2008

10/714,620  
Reply to office action mailed 08/07/2008

00280747aa

The following is a complete listing of all claims in the application, with an indication of the status of each:

**Listing of claims:**

- 1           1-14. (canceled)
- 1           15. (currently amended) A stochastic integer programming based constrained  
2           optimization method implemented by a computer for allocation of classrooms  
3           and instructors to requested classes associated with cancellation probabilities,  
4           the computer performing comprising the steps of:  
5                 ~~inputting receiving input of~~ a list of classes by location city, preferred  
6           time window, their cancellation probabilities and available classrooms and  
7           instructors;  
8                 analyzing operational revenue/profit under different planning  
9           scenarios involving chaining of various classes, prerequisite relationships, and  
10          inter-class spacing requirements;  
11          generating a revenue/profit optimization model of overall operational  
12          revenue/profit under the different planning scenarios by location city,  
13          including a penalty cost for cancellation due to a missing classroom or a  
14          missing instructor;  
15          solving a stochastic program of a revenue/profits optimization model  
16          by solving its deterministic equivalent; and  
17          outputting a list of classes scheduled by curriculum identification (ID),  
18          corresponding start date, allocated classrooms, location city, allocated  
19          instructor, and expected revenue,  
20          wherein said start date for each class is calculated based on lengths of  
21          each class and available time windows for each class, and said start date for

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22 each class that is a back-to-back class is calculated based on lengths of each  
23 back-to-back class and available time windows for each back-to-back class,  
24 wherein said allocated classrooms for each class is calculated based on  
25 tier codes for each class and available classrooms during allowable time  
26 windows for each class, and said allocated classrooms for each back-to-back  
27 class is calculated based on lengths of each back-to-back class and available  
28 time windows for each back-to-back class,  
29 wherein said allocated instructors for each class is calculated based on  
30 available instructors with required skills during allowable time windows for  
31 each class, and said allocated instructors for each back-to-back class is  
32 calculated based on lengths of each back-to-back class and available time  
33 windows for each back-to-back class.